



International Conference
on

**Energy, Functional Materials and Nanotechnology & Sustainable Environment Management
(ICEFN&SEM-2019)**



Date: May 24-26, 2019

Venue: The Hermitage, Kumaun University, Nainital, Uttarakhand, India

Technical Session (Tentative)

Organized by

**Nanoscience and Nanotechnology Centre
Department of Chemistry
Kumaun University
Nainital 263001
India**

**2nd INTERNATIONAL CONFERENCE ON ENERGY, FUNCTIONAL MATERIALS
&
NANOTECHNOLOGY & SUSTAINABLE ENVIRONMENT MANAGEMENT
(ICEFN&SEM-2019)**

Thursday, May 23, 2019	
3.00 - 6.00 pm	Registration
8.00 pm	Welcome Dinner
Day One: Friday, May 24, 2019	
8:00-9:00 am : Registration	
Inaugural Session: 09:30-11:30 am	

PROGRAMME SCHEDULE

09:30-09:35 am	Welcome of Guests
09:35-09:37 am	National Anthem
09:37-09:40 am	Deep Prajwalan
09:40-09:43 am	Kulgeet, Kumaun University
09:43-09:46 am	Presentation of flower bouquet
09:46-09:51 am	Welcome of guest by Chairman, ICEFN & SEM-2019
09:51-09:56 am	About the conference by Convener, ICEFN & SEM-2019

09:56-10:01 am	Address by the Dean & Co-Patron
10:01-10:03 am	Release of Abstract Book
10:01-10:11 am	Welcome Address by Hon'ble Ex MP, Rajya Sabha Sri Tarun Vijay
10:13-10:23 am	Address by Hon'ble Chief Guest, Prof. Rakesh Bhatnagar, Vice Chancellor, BHU, Varanasi
10:23-10:33 am	Presidential Address by Hon'ble Vice Chancellor , KU, Nainital
10:33-10:38 am	Vote of thanks by Organizing Secretary, ICEFN & SEM-2019
10:38-11:08 am	KEYNOTE ADDRESS
Session Chair	Prof. Surendra Saxena, Florida International University, Miami
Keynote Speaker	Prof. Rakesh Bhatnagar, Vice Chancellor, BHU, Varanasi
11:08- 11:30 am	HIGH TEA

11:30-12:00 pm	KEYNOTE ADDRESS
Session Chair	Prof. S.P.S. Mehta, Kumaun University, Nainital
Keynote Speaker	Prof. Surendra Saxena, Florida International University, Miami
Topic	Let Us Color India Green
12:00 -12:30 pm	SPECIAL INVITED
Session Chair	Prof. C. K. Das, F. M. University, Balasore
Special Invited Speaker	Dr. Ali Abbas, The University of Sydney, Australia
Topic	Circular Economy Meets Industry
12:30 -01:00 pm	SPECIAL INVITED
Session Chair	Prof. C. K. Das, F. M. University, Balasore
Special Invited Speaker	Prof. Tapas Sen, University of Central Lancashire, United Kingdom
Topic	Functional Nanomaterials In Cleantech and Medicine: An Overview of Our Past and On-Going Ukieri Projects

1:00-1:40 pm : LUNCH

PARALLEL SESSIONS

HALL -A	24 th May	ENERGY/SEM
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Session: I			
(ENERGY)			
<i>Chair Person: Dr. Atul Grover</i>			
TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
1:40-02:05 pm	<i>Special Invited speaker</i>	Dr. H. K. Pandey	Medicinal Plants Biodiversity Of Uttarakhand Himalayas; Efforts Made By Defence Institute Of Bio-Energy Research (DRDO), Pithoragarh In Its Conservation And Value Addition
02:05-2:25 pm	<i>Invited speaker</i>	Dr. Asit Patra	Donor & Hole Transport Materials For Excitonic Solar Cells Application
2:25-2:35 pm	<i>Oral</i>	Arti fulara	On The Energy Generation And Energy Release Mechanism In The Sun
2:35-2:45 pm	<i>Oral</i>	Amit Kumar	Effect Of Defect Density On The Histeresis Of Perovskite Solar Cell

Session: II

ENERGY (SEM)

Chair Person: Prof. Tapas Sen

TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
02:45-03:05 pm	Invited speaker	Dr. Nand Kishore More	Environment Friendly Biomaterials: A Green Approach To Sustainability
03:05-03:25 pm	Invited speaker	Dr. Madhab C.Das	Water/moisture stable metal organic frameworks (MOFs) for gas separation and proton conduction
03:25-03:35 pm	Oral	Amrita Kumari panda	Vermicomposting : An Eco Friendly Approach For Organic Waste Management
03:35-03:45 pm	Oral	Diksha Gangwar	Comparative Study Of Bacterial Proteins In Sattal And Garudtal Lake Of Nainital District
03:45-03:55 pm	Oral	Garima Punetha	Physico-Chemical Analysis Of Water Quality Of Hilly Area Of Champawat District Of Uttarakhand, India
03:55-04:05 pm	Oral	Dr. Shilpi Ghosh	Metagenomic And Functional Analysis Of Thermotolerant Microbial Consortium Enriched From Vermicompost For Carbohydrate Active Enzymes (Cazymes) And Application In Saccharification Of Agro-Residues

4:00-4:15 pm

TEA

Session: III

Chair Person: Prof. Anurag Srivastava

TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
4:20-4:40 pm	Invited	Prof. Promod K. Singh	Low viscosity Ionic liquids Doped Polymers Electrolyte for Energy Applications
4:40-4:50 pm	Oral	Gaurav Rawat	Identification and characterization of microbial contaminant and their diversity in the lakes of nainital
4:50-5:00 pm	Oral	Jaya Tripathi	Improvement in biodegradability of biodegradable polymers by incorporating starch granules using ultrasonic and rheological techniques

05:00-06:00 pm

POSTER PRESENTATION (ENERGY/SEM)

HALL -B

24th May

NANOTECHNOLOGY

Session: I

Chair Person: Prof. Ali Abbas

TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
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01:40-02:05pm	<i>Special Invited</i>	Prof. C. K. Das	Effect of Compatibilizer on Vibration Welding of Amorphous Thermoplastics Nanocomposites
02:05-02:25pm	<i>Invited</i>	Dr. Sudip K. Batabyal	Development Of Earth Abundant Solution Processed Quarternary Metal Chalcogenide For Solar Energy Harvesting
02:25-02:45pm	<i>Invited</i>	Dr. Angayar Pavanasam	Health, Safety And Environmental (Hse) Aspects Of Nanotechnology: A Framework
02:45-02:55pm	<i>Oral</i>	Alok Basu	Gold nanoparticle bedecked with Quercetinretard protein fibrillation and concentration dependently disrupt pre-formed fibrils
02:55-03:05pm	<i>Oral</i>	Aatrayee Das	Floatable biopolymer nanoparticle from Guar gum oleate from abducting dodacane from salt water interface
03:05-03:15 pm	<i>Oral</i>	Anu Sharma	Bismuth Titanate Nanoparticles synthesized via sol gel method at different reaction time

Session: II

Chair Person: Dr. Sudip K. Batabyal

TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
03:25-03:45 pm	<i>Invited</i>	Dr. Debrina Jana	Synthesis of Nanocrystal In Mesoporus Host
03:45-03:55 pm	<i>Oral</i>	Kalithasan Nataranjan	Photodeposit silver/Bi ₂ Fe ₄ O ₉ (BFO)/C ₃ N ₄ ternary nanocomposites for selective photolytic activity
03:55-04:05 pm	<i>Oral</i>	Kundan Singh Rawat	Biocompatible Fluorescent carbon quantum dots synthesized from Beetroot and watermelon extract for in-vivo live animal imaging

4:00-4:15 pm

TEA

Session III

Session Chair: Dr. Hirdyesh Mishra

TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
04:20-04:40pm	<i>Invited</i>	Dr. Reeta Singh	Synthesis Of Silver Nanoparticles Using Extract Of Ocimum Kilimandscharicum And Its Antimicrobial Activity Against Plant Pathogens
4:40-04:50 pm	<i>Oral</i>	Nirmal Kumar Roy	Effect of Natural ester oil based high dielectric CaCu ₃ Ti ₄ O ₁₂ (CCTO) nanofluids for power transformer applications
04:50-05:00 pm	<i>Oral</i>	Pushpa singh	Current status of graphene and its composites for various technological applications

05:00-06:00 pm POSTER PRESENTATION (ENERGY/SEM)

HALL –C 24th May FUNCTIONAL MATERIAL

Session I

Chair Person: Prof. Puspa Joshi

TIME	Special invited/Invited /Oral/Poster	Author	TOPIC
01:40-02:00 pm	<i>Invited</i>	Dr. Anindya Basu	First Step Towards Amp-Functionalized Antimicrobial Surfaces: Design Principles And Strategies
02:00-02:20 pm	<i>Invited</i>	Dr. Bhoopendra Tiwari	Organocatalysed Domino reactions for asymmetric organic synthesis
02:20-02:30 pm	<i>Oral</i>	Dr. Abir B. Majumder	An unusually fast kinetic resolution of acyclic aliphatic medium chain secondary alcohols with cross-linked protein coated micro crystals of <i>Candida antarctica</i> lipase B
02:30-02:40 pm	<i>Oral</i>	Anshu Singh	Lignin peroxidase and laccases producing bacteria isolated from pine needle litter
02:40-02:50 pm	<i>Oral</i>	Rajeshwari Tripathi	Comparative study of microbial diversity of nainital and khurpatal lake

Session II

Chair Person: Dr. Antaryami Singh

TIME	Special invited/Invited /Oral/Poster	Author	TOPIC
03:00-3:25 pm	<i>Special Invited</i>	Prof. Daya Shankar Pandey	Intersting aspects of D-A based metal complex aiegens: designing, synthesis and applications
03:25-3:35pm	<i>Oral</i>	Dr. G. Saxena	Structural properties and decay chains of Og isotopes
03:35-03:45pm	<i>Oral</i>	Arvind Kumar	A study on exchange coupled structure of heusler alloy CO2 feal with NiO on silicon Substrate
3:45-3:55 pm	<i>Oral</i>	Dr. Piyush Kumar Sonkar	Electrochemical Oxygen Reduction Reaction Using Fullerene Iron Porphyrins Composite Materials

4:00-4:15pm

TEA

Session-III

Chair Person: Prof. Daya Shankar Pandey

TIME	Special invited/Invited /Oral/Poster	Author	TOPIC
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4:15-4:35pm	<i>Invited</i>	Dr. Arindam Maity	Development of phospholipids-protein conjugates; A novel antigens for autoimmune antibodies
4:35-4:45 pm	<i>Oral</i>	Poornima Devi	Synthesis, molecular docking and DET studies of (2E,2Z)-2,4-bis(4-nitrobenzylidene)-5-oxo-1-phenylpyrrolidine-3-carboxylic acid
4:45-4:55 pm	<i>Oral</i>	Pratibha Singh	Synthesis And Characterization Of Electrically Conducting Polypyrrole Based Flexible Ammonia Sensor

05:00-06:00 pm POSTER PRESENTATION (ENERGY/SEM)

8:00 pm	DINNER
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25th May 2019

07:30-08:30 am	BREAKFAST/TEA/REGISTRATION
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GENERAL SESSION	
9:00-9:30am	KEYNOTE ADDRESS
Session Chair	Prof. B. S. Murthy, IIT Chennai
Keynote Speaker	Prof. James T. Mcleskey, Randolph-Macon College, USA
Topic	Electrospun membranes For Direct Contact Membrane Distillation
9:30-10:00am	KEYNOTE ADDRESS
Session Chair	Dr. Piyush Pandey, CAZRI, Jodhpur
Keynote Speaker	Prof. Deshdeep Sahdev, Quazar Technologies, New Delhi
Topic	The Study of Novel Current Flow Regimes In 2-Dimensional Materials Using Indigenous Instruments & Computational Packages
10:00-10:25am	SPECIAL INVITED
Session Chair	Prof. C. K. Pant, Kumaun University, Nainital
Special Invited	Mr. Vijaya Kumar, Trimurti Group of Companies
Topic	The Plastic Waste Management Rules, initiatives to be taken by Stake Holders, Brandowners, End Users and by Implementing Agencies
10:25-10:50am	SPECIAL INVITED
Session Chair	Prof. C. K. Pant, Kumaun University, Nainital
Special Invited	Prof. Ligy Philip, IIT Madras, Chennai
Topic	Technologies For Removal Of Emerging Contaminants From Aqueous Environment
10:50-11:15am	TEA

PARALLEL SESSION

HALL -A	ENERGY/SEM
Session-I (ENERGY)	
<i>Chair Person: Prof. Ligy Philip</i>	

TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
11:15-11:40 pm	<i>Special Invited</i>	Prof. P.C. Sabumon	Sustainable Ammonia Removal From Waste Waters By Neanaerobic/ Anoxic Biological Processes
11:40-12:05 pm	<i>Special Invited</i>	Dr. Atul Grover	Sustainability Of Fuels Derived From Wastes
12:05-12:25 pm	<i>Invited</i>	Dr. Rajeev K. Singh	Charge Carrier Dynamics And Interfacial Interaction Study In Organic Solar Cells
12:25- 12:35 pm	<i>Oral</i>	Kuldeep Joshi	A Common Fixed Point Theorem For Multivalued Mapping In B-Metric Space
12:35-12:45 pm	<i>Oral</i>	Shalini Sahani	Synthesis Of A Novel Hetrogenous Basic Catalyst And Its Usage For Biodiesel Production: Kinetic And Thermodynamic Investigation
12:45-12:55 pm	<i>Oral</i>	Sheetal Paliwal	Appraisalment Of Bacterial Diversity In The Gaula River, Haldwani, Nainital District
12:55-01:05 pm	<i>Oral</i>	Dr. Sangeeta Verma	Sensitivity Analysis Of An Enhanced Soil Moisture Accounting Based Inspired Model

1:00-1:40pm: LUNCH

Session-II (SEM)			
<i>Chair Person: Prof. P.C. Sabumon</i>			
TIME	Special Invited/Invited/Oral/Poster	Author	Topic
1:40-2:05 pm	<i>Special Invited</i>	Dr. R. S. Rawal	Transboundary Landscape Conservation And Development – Way Forward For The Himalaya
2:05-2:30 pm	<i>Special Invited</i>	Dr. Piyush C. Pandey	Photovoltaics For Green Environment: Wide Spectrum Penorama
2:30-2:50 pm	<i>Invited Speaker</i>	Dr. Shruti Mishra	Novel Nano Based Technologies For Hazardous Radionuclides And Heavy Metal Removal From Ground Water
2:50-3:00 pm	<i>Oral</i>	Lalit Singh Bisht	Thiogeraniol rich essential oil from <i>Carpesium trachelifolium</i> and its antimicrobial activity against some animal and plant pathogens

Session-III			
<i>Chair Person: Dr. R. S. Rawal</i>			
TIME	Special Invited/Invited/Oral/Poster	Author	Topic
03:00-03:20 pm	<i>Invited</i>	Dr. Hirdyesh Mishra	Effect Of Control Nano- Morphology On The Spectral And Electronics Properties Of Poly 3-Hexylthiophene

			(P3ht) Thin Polymer Film
03:20-03:40 pm	<i>Invited</i>	Prof. Somendra Nath Roy	Use Of Waste Plastic Asbrick For Eco- Friendly And Sustainable Construction Material
03:40-03:50 pm	<i>Oral</i>	Dr. Rakesh Sajwan	Waste management, A least notice and the most harmful issue, especially in the context of rapidly expanding towns like haldwani
03:50-04:00 pm	<i>Oral</i>	Subhajit Kundu	Heterocyclic sulfur removal from model diesel by ionic-liquid based adsorbent
04:00-04:10 pm	<i>Oral</i>	Kiran Patni	Distribution of naturally occurring uranium and other heavy toxic elements in selected spring water samples of pithoragarh District, Uttarakhand India

04:00-04:15 pm	TEA
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SESSION IV

<i>Chair Person: Dr. Sandeep Pokharia</i>			
TIME	Special Invited/Invited/Oral/Poster	Author	Topic
04:15-04:35 pm	<i>Invited</i>	Prof. L. P. Purohit	Cadmium Oxide Zinc Oxide Nanocomposites for Electronic Gas Sensors
04:35-04:55 pm	<i>Invited</i>	Prof. Veena Pande	Algal Fuel as an Alternative Source: A Sustainable Approach
04:55-05:05 pm	<i>Oral</i>	Vaishali Pandey	Microbial diversity in Kshipra River of Nainital
05:05-05:15 pm	<i>Oral</i>	Dr. Narendra Kumar Singh	Synthesis and characterization of sol-gel derived perovskite-type oxide film electrodes for oxygen evolution in alkaline solution.

05:00-06:00 pm POSTER PRESENTATION (NANOTECHNOLOGY & FUNCTIONAL MATERIALS)

06:30-08:30 pm CULTURAL PROGRAMME

HALL -B	25th May	NANOTECHNOLOGY
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Session-I
<i>Chair Person: Dr. Sravendra Rana</i>

TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
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11:15-11:40 am	<i>Special Invited</i>	Prof. Anurag Srivastava	Nanotubes and Graphene Based Gas/Chemical Sensors: Ab-Initio Study
11:40-12:00 pm	<i>Invited</i>	Dr. Sudipta Saha	Novel Indole-Fused Benzo-Oxazepines (IFBOS) Obliterate Hepatocellular Carcinoma Through Il-6/Jak2/Stat3 Oncogenic Signalingckade
12:00-12:20 pm	<i>Invited</i>	Dr. Gobardan Lal	Inclusion of graphene in Kevlar/Epoxy composites for better thermal mechanical strength
12:20-12:30 pm	<i>Oral</i>	S. K. Ibrahim	Enhanced Visible Light Photocatalytic Activity Of RGO-Cds Nanocomposites
12:30-12:40 pm	<i>Oral</i>	Ramveer Singh	Biogenic Synthesis Of Silver Nanoparticles (Agnp) Using <i>Celosia Cristata</i> Leaf Extract And Their Antimicrobial Activity Against Otorhinolarygological Pathogen
12:40-12:50 pm	<i>Oral</i>	Shubham Tiwari	Nanoparticle Induced Suppression Of Detergency
12:50-01:00 pm	<i>Oral</i>	Himani Tiwari	Functionalized Graphene as a nanovehicle for the delivery of cocktailed drug system

01:00-01:40 pm LUNCH

Session-II

Chair Person: Prof. Anchal Srivastava

TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
01:40-02:00 pm	<i>Invited</i>	Dr. Dipanjana Ghosh	Bio-Nanomaterial (Exosomes) As Metastatic Signal Carrier
02:00-02:20 pm	<i>Invited</i>	Dr. Narendra Pal Singh	Fundamentals & high significance of Nanoscience
02:20-02:30 pm	<i>Oral</i>	Ramesh Singh	Transition Metal Ion-Mediated Tyrosine-Based Short-Peptide Amphiphile Nanostructures Inhibit Bacterial Growth
02:30-02:40 pm	<i>Oral</i>	Rajesh Kumar	Nanostructured Iron-zirconium mixed oxide nanoparticles for the adsorptive-removal of m-chlorophenol from aqueous solution
02:40-02:50 pm	<i>Oral</i>	Dr. Sneha Gautam	Evaluation of pcl/gelatin/chitosan/nhap quaternary nanofibrous composite scaffold for tissue engineering application
02:50-03:00 pm	<i>Oral</i>	Vikas Sharma	Enhancement in mechanical properties of ABS polymer with graphene incorporation

03:00-03:10 pm	<i>Oral</i>	Mahesh Chandra Arya	Diminished photocatalytic activity of strontium doped CeO ₂ nanoparticles: An evidence of widening of band gap on strontium doping
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4:00-4:15 pm	TEA
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Session-III

Chair Person: Dr. Gobardan Lal

TIME	Special invited/Invited/ Oral/Poster	Author	TOPIC
04:20-04:40 pm	<i>Invited</i>	Dr. Sravendra Rana	Room Temperature Self-Healing Composites for Structural Applications
04:40-04:50 pm	<i>Oral</i>	Manish Kumar	Magnetoelectric coupling in LaSrMnO_3 - BaTiO_3 nanocomposites
04:50-05:00 pm	<i>Oral</i>	Dr. Pramod Vishwakarma	Excessive and Starving situations of nutrients in crops of some selected areas in eastern Uttar Pradesh, India

05:00-06:00 pm POSTER PRESENTATION (NANOTECHNOLOGY & FUNCTIONAL MATERIALS)

HALL –C	25th May	FUNCTIONAL MATERIAL
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Session-I

Chair Person: Prof. D. C. Tiwari

TIME	Special invited/Invited/ Oral/Poster	Author	TOPIC
11:15-11:35 am	<i>Invited</i>	Prof. Anil Pant	Chemistry and Biological Activity of Some Ajuga Species Growing in Kumaon Region of Uttarakhand
11:35-11:55 pm	<i>Invited</i>	Prof. Dwijendra Gupta	Extracellular Vesicles And Their Potential Role Of In Cancer Therapy: Studies On Nanophosphors and Exosomes From Human Sera
11:55-12:05 pm	<i>Oral</i>	Bharat Ratna	On the statistical analysis of out-migration from the rural regions of Okhalkanda block in the Nainital District of Uttarakhand
12:05-12:15 pm	<i>Oral</i>	Fasuil Farooq	Surveillance of insect pests associated with different temperate fruit crops of Kumaun region, western Himalaya, India
12:15-12:25 pm	<i>Oral</i>	Dr. Jai Kishan Sambharia	Characterization of low cost alternative polymer abrasive material for finishing applications.
12:25-12:35 pm	<i>Oral</i>	Jitender Paul Sharma	Role of additives on the electrical, structural and mechanical property modification of PEO-NH ₄ HF ₂ based polymer electrolytes

01:00-01:40pm LUNCH**Session-II****Chair Person: Prof. Anil Pant**

TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
01:40-02:00 pm	<i>Invited</i>	Dr. Debashree Chakraborti	Effect of hydrophobic and hydrophilic groups on the potency of the inhibitors
02:00-02:20 pm	<i>Invited</i>	Dr. Neelam Srivastava	Crosslinked Starch Modified with Sodium Salts: An Economical, Easy to Designing and Eco-Friendly Electrolyte Systems
02:20-02:30 pm	<i>Oral</i>	Dr. Ashish Tewari	Oil yield and resource potential of <i>Diploknemabutyracea</i> Roxb. in Kumaun Himalayan Region
02:30-02:40 pm	<i>Oral</i>	Jyotika Arya	Determination of milk quality indices and milk protein polymorphism in local sheep breed of Nainital
02:40-02:50 pm	<i>Oral</i>	Kavita Singh	Influence of functionalized silica on the thermal, mechanical and thermomechanical performance of kevlar/epoxy composites
02:50-03:00 pm	<i>Oral</i>	Kiran	Extracellular synthesis of silver nanoparticles by endophytic fungus isolated from <i>cinnamomumtamala</i> for bactericidal studies
03:00-03:10 pm	<i>Oral</i>	Lalita Negi	Switching from positive to negative axial thermal expansion in two organic crystalline compounds
03:10-03:20 pm	<i>Oral</i>	Madhu Gupta	The novel oxidation of acetylsalicylic acid and acetaminophen by NaIO ₄ using tetra-oxide complex of Os(VIII) in its nano-concentration range as homogenous catalyst : A mechanistic and DFT approach
03:20-03:30 pm	<i>Oral</i>	Dr. N. Tewari	Photophysics and photochemistry of hydrogen bonding and protonation in quinolines

4:00-4:15pm**TEA****Session-III****Chair Person: Dr. K. N. Pandey**

TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
4:15-4:35pm	<i>Invited</i>	Dr. Mintu Pal	Receptor identification of angiogenesis-associated protein: biomarkers and drug delivery applications in cancer
4:55-5:15 pm	<i>Invited</i>	Dr. Souvik Basak	B-Cyclodextrin, A Magic Cavity for Fabrication of Biomolecules–Recent Advances in Complexation Dynamics and Exploitation of Its Macromolecular Interaction for Toxicological Calibration
5:15-5:25 pm	<i>Oral</i>	Neelaxi Pandey	Phytochemistry and antibiotic potential of few wild edible fruits of family Rosacea

8:00pm**DINNER**

26th May 2019

08:00-9:00 am	BREAKFAST/TEA/REGISTRATION
GENERAL SESSION	
09:00-09:30am	SPECIAL INVITED
Session Chair	Prof. Veena Pande, Kumaun University, Nainital
Special Invited	Prof. Anchal Shrivastava, Banaras Hindu University, Varanasi
Topic	Black is Beautiful: Carbon Nanotube And Graphene
9:30-9:45am	GENERAL PRESENTATION
Session Chair	Prof. Veena Pande, Kumaun University, Nainital
KeynoteSpeaker	Perkin Elmer
Topic	
9:45-10:00am	GENERAL PRESENTATION
Session Chair	Prof. Veena Pande, Kumaun University, Nainital
KeynoteSpeaker	Akshat Shah
Topic	Creation of Modern Vajra

HALL -A	26 th May	ENERGY
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Session-I (ENERGY/ SEM)			
Chair Person: Ravindra K. Verma			
TIME	Special invited/Invited/ Oral/Poster	Author	TOPIC
10:05-10:25 am	<i>Invited speaker</i>	Dr. Manjeet Singh	Silver Nanowire Based Transparent Conductive Electrode as Replacement of Indium Tin Oxide For Solar Cell Applications
10:25-10:35 am	<i>Oral</i>	Sandeep Pandey	Thin film preparation of carbon nano materials via solvent-antisolvent technique for optoelectronic applications
10:35-10:45 am	<i>Oral</i>	Kirti Singh	Analyses of physicochemical properties of soils from different regions of Kumaun Hills Uttarakhand
10:45-10:55 am	<i>Oral</i>	Anita Rana	In vitro inhibition activity of essential oils of JuniperusSquamata root phytopathogenic fungi

11:00-11:15 am	TEA
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Session-II (ENERGY/ FUNCTIONAL MATERIALS)			
Chair Person: Dr. Asit Patra			
TIME	Special invited/Invited	Author	TOPIC

	/Oral/Poster		
11:15-11:40 am	<i>Special Invited</i>	Prof. D. C. Tiwari	P3HT: PCBM based inverted hybrid solar cells using Cu ₂ SnSe ₃
11:40-12:00 noon	<i>Invited speaker</i>	Dr. Meenal Gupta	Heteroatom Doped Non-Porous Carbons for Energy Devices
12:00-12:20 pm	<i>Invited speaker</i>	Dr. T. Kumar	Method for determination of genotoxic impurity hydroxylamine in drug substances by lc-ms and hplc
12:20-12:30 pm	<i>Oral</i>	P. Basu	Defects-mediated reactive oxygen species generation in dark by nitrogen-doped molybdenum disulfide and study of its organic dye removal activity
12:30-12:40 pm	<i>Oral</i>	Dr. Lalit Mohan	In vitro antimicrobial activity of volatile extract from the aerial parts of <i>chaerophyllumacuminatum</i>
12:40-12:50 pm	<i>Oral</i>	P. Dipak	Synthesis of intrinsic dielectric metamaterial BiNiFe ³⁺ for airborne application
12:50-01:00 pm	<i>Oral</i>	Sagar Chowdhury	Supervisory control and monitoring of organic farming
01:00-01:10 pm	<i>Oral</i>	Mr. Vishal Kachwal	Improved solid luminescent conjugated hyperbranched polymers with microporous network architecture constructed from tetraphenylethylene building block application in sensitive and selective explosive

01:00-01:40 pm LUNCH/POSTER PRESENTATION

HALL –B	26th May	FUNCTIONAL MATERIAL
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Session-I			
Chair Person: Prof. L.P. Purohit			
TIME	Special invited/ Invited/ Oral/Poster	Author	TOPIC
10:15-10:35 am	<i>Invited</i>	Dr. Sunil Babu Gosipatala	Therapeutic Prospects Of Mirna's In Hcmv Etiology
10:35-10:55 am	<i>Invited</i>	Dr. Rajiv Kumar Singh	Charge Carrier Dynamics And Interfacial Interaction Study In Organic Solarcell
10:55-11:15 am	<i>Invited</i>	Dr. K.. N. Pandey	Thermoplastic- Elastomeric Blend Based Nano Composites And Their Characterization
11:15-11:25 am	<i>Oral</i>	Dr. Pawan Kumar	Comparative invitro Antifungal Activity Of Essential Oil From <i>Neolitsea pallens</i> (D. Don) Mom&Hara & <i>Selinum vaginatum</i> c.B. Clarke growing In The Himalayan Region

11:25-11:35 am	Oral	Pratiksha Joshi	Three-Dimensional Aerogel Of Cassava Starch: An Alternate To Styrofoam-Based Packaging Materials
11:35-11:45 am	Oral	Dr. Swatantra Kumar	Circannual Variations In Plasma Levels Of Unconjugated And Conjugated Testosterone And Estradiol-17 β In Female <i>Cirrhinus mrigala</i> (Ham.)
11:45-11:55 am	Oral	Dr. Pravas Kumar Panigrahi	Morphological Evolution Of Flower-Like Structures To Submicron-Sized Rods Of Sb ₂ S ₃ Under Hydrothermal Conditions
11:55-12:05 pm	Oral	Dr. Pushpa Bhakuni Negi	Inhibition Of Xanthine Oxidase (XO) By Ascorbic Acid (AA) In Post-Reperfused Patients With Myocardial Infarction (MI)

01:00-01:40 pm LUNCH/POSTER PRESENTATION

Session-II			
Chair Person: Dr. S. Ali			
TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
01:40-02:00 pm	Invited	Dr. Madhulata Shukla	Cation-Anion Interaction Study In Different Imidazolium And Piperidinium Based Ionic Liquids
02:00-02:20 pm	Invited	Dr. Antaryami Singh	Radiation Synthesis Of Hydrogels With Silver Nanoparticles For Use As Antimicrobial Wound Dressing
02:20-02:30 pm	Oral	R. Ridhi	Study Of Interaction Behaviour Of Organic Vapours With Metal Phthalocyanines And Effect On Their Activation Energies
02:30-02:40 pm	Oral	Rishendra Kumar	Analysis Of Rhizospheric microbiome By Consortium Alteration In <i>Macrotyloma uniflorum</i> (Horse Gram) Plants Resistance Against Pathogens And Generation Of Diseasefree Plants Via Micropropagation
02:40-02:50	Oral	Preeti Bhatt	Adsorption Of Proline On Montmorillonite Clay With Or Without Divalent Metal Ions In Relevance To Prebiotic Formation Of Proteins

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Session-I			
Chair Person: Dr. Bhoopendra Tiwari			
TIME	Special invited/Invited/Oral/Poster	Author	TOPIC

10:15-10:35 pm	Invited	Dr. Suman Mahendia	Understanding Composites: Graphene / Noble Metal Nanoparticles/ Polymers For Different Applications
10:35-10:55 am	Invited	Dr. Sandeep Pokharia	Exploring The Interaction Of Triorganotin(IV) Moiety With Quinolones: Combined Experimental And Theoretical Investigation
10:55-11:05 am	Oral	Mr. Rajendra Prasad	Comparative Study Of Chemical Composition And Bioactivity From Aerial And Root Essential Oil Of <i>Leucasmollissima</i> Wall Ex. Benth.
11:05-11:15 am	Oral	Dr. Ritu Garg	A Study On Conductivity Of Polythiophene (Pth) -Ni And Co Composites
11:15-11:25 am	Oral	Riya Sailani	Enthalpy-Entropy Compensation (EEC) Effect: Isokinetic Parameter In Oxidation Of Some Para-Substituted Aniline By Peroxomonosulfate In Aqueous Acidic Medium
11:25-11:35 am	Oral	Sanjay Kumar	Chemical Examination And <i>In Vitro</i> Antifungal Activity Of Essential Oil From Aerial Parts Of <i>Swertia petiolata</i> D. Don
11:35-12:45 am	Oral	Dr. Sayantan Maity	Stacking Of Aromatic Molecules On Modified Graphite Surface As Key Factor For The Catalytic Activity Of The Carbon Material
11:45-11:55 am	Oral	Dr. Swatantra Kumar	Circannual Variations In Plasma Levels Of Unconjugated And Conjugated Testosterone And Estradiol-17 β In Female <i>Cirrhinus mrigala</i> (Ham.)
11:55-12:05 pm	Oral	Vandana Tamta	Comparative Study Of Goat And Cow Milk And Their Medicinal Value

01:00-01:40pm LUNCH/POSTER PRESENTATION

Session-II

Chair Person: Dr. Suman Mehandiya

TIME	Special invited/Invited/Oral/Poster	Author	TOPIC
01:40-02:00 pm	Invited	Dr. Yogesh Kumar	High Performance Supercapacitors Using Compact And Stable Thin Films Oxide And Carbon Based Materials
02:00-02:10 pm	Oral	Sudhir Kumar Verma	Effective Removal Of Sugar Amino Acids Onto Activated Wheat Husk And Its Comparison With Commercial Activated Charcoal
02:10-02:20 pm	Oral	Zeenat	Comparative Analysis Of Animal Fat And Protein Collected From Badri And Sahiwal Cow Of Nainital District
02:20-02:30 pm	Oral	Dr. Sunita Upadhyay	Phytochemical Screening And Study of Antimicrobial Activity Of <i>Ageratum Conyzoides</i>
02:30-02:40 pm	Oral	Sunita Bhatt	Influence Of Drying Methods On The Antioxidant Potential Of <i>Ocimum americanum</i> L.

Valedictory Session

03:00-03:20 pm	Honorable Chief Guest: Dr. Madhu Bala, Sc'G', Director Defence research & Development Organisation DRDO, Haldwani, Uttarakhand
03:20-03:40 pm	Guest of Honour: Er. Kireet Kumar, Sc'G', G.B.P.N.I.H.E.S.D., Kosi-Katarmal, Almora, Uttarakhand, India

03:40-03:50 pm	Summarize the Event: Convener: Prof. N. G. Sahoo/Co-Convener: Dr. Geeta Tiwari
03:50-04:00 pm	Announcement of oral/poster award and certificate Distribution
04:00-04:10 pm	Concluding Remarks: Chairman: Prof. A.B. Melkani